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*DB=USPT; PLUR=NO; OP=OR*

L4 L3 and install and partition

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L2 717/168-178.ccls.

778 L2

(5794032 5867730 5418918 5727213 6085318 5325532 5721952 4903296  
 6212587 6212587 5802592 5984499 6035328 6056786 6065045 6098094  
 4246638 4462076 4633388 5438509 5493655 5525913 5548506 5794234  
L1 5841631 5865518 5881282 5974473 6034972 6035028 6055232 6085317  
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☐ 1. Document ID: US 6658435 B1

L4: Entry 1 of 7

File: USPT

Dec 2, 2003

US-PAT-NO: 6658435

DOCUMENT-IDENTIFIER: US 6658435 B1

TITLE: Disk image backup/restore with data preparation phase

DATE-ISSUED: December 2, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
McCall; Colin David	Glasgow			GB

US-CL-CURRENT: 707/204; 707/202, 707/205, 711/162, 717/174

## ABSTRACT:

A method for backing up data stored using a filing system on a computer non-volatile storage device is described. First pre-defined signature data is written, using the filing system, to substantially all of the unused portion of the computer non-volatile storage device. The data stored on the computer non-volatile storage device is then backed up, independent of the filing system. Data consisting of the first pre-defined signature is not backed up. In this manner, a backup is completed without access to the filing system, but which backs up only portions of the non-volatile storage medium which are in use.

21 Claims, 8 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☒ 2. Document ID: US 6519762 B1

L4: Entry 2 of 7

File: USPT

Feb 11, 2003

US-PAT-NO: 6519762

DOCUMENT-IDENTIFIER: US 6519762 B1

TITLE: Method and apparatus for restoration of a computer system hard drive

DATE-ISSUED: February 11, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Colligan; Tom	Austin	TX		
Ellis; Jonathan	Austin	TX		
Robertson; Hunter	Austin	TX		

US-CL-CURRENT: 717/170; 717/106

## ABSTRACT:

A computer system having capability for restoration of a hard disk drive includes at least one processor and at least one hard disk drive. A software image is stored on the at least one hard disk drive, the software image including a factory downloaded image which is subject to corruption. A protected software restoration image not prone to a typical corruption is stored on the at least one hard disk drive and available for use by the at least one processor in executing the restoration of the software image on the at by least one hard disk drive to a like new factory downloaded image condition.

34 Claims, 5 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☒ 3. Document ID: US 6470446 B1

L4: Entry 3 of 7

File: USPT

Oct 22, 2002

US-PAT-NO: 6470446

DOCUMENT-IDENTIFIER: US 6470446 B1

TITLE: Method for preparing computer hard disks during installation of a network operating system

DATE-ISSUED: October 22, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Beelitz; Alan E.	Leander	TX		
Krigsfeld; Alexander	Austin	TX		
Wilks; Andrew	Austin	TX		

US-CL-CURRENT: 713/2; 717/176

## ABSTRACT:

Method and apparatus for partitioning a hard disk during installation of a network OS. In one embodiment, a computer system is booted from a CD-ROM containing a computer server setup ("CSS") program. The CSS program prompts a user for certain

disk preparation data, including the primary and utility partition sizes and volume label. The CSS program then writes a self-loading binary image ("SLBI") to the first track of the first hard disk immediately following the master boot record ("MBR"). The SLBI includes a bootstrap loader, disk preparation code, and the disk preparation data. The sector address of the SLBI bootstrap loader is placed into a partition descriptor within the master partition table ("MPT") of the MBR. The computer is then rebooted and control transferred to the SLBI, which the prepares the hard disk by partitioning the disk to include a utility and primary partition of the desired sizes and volume label (primary partition) and formatting these partitions appropriately. The SLBI then removes itself from the first track and updates the MPT with the new descriptors, at which point the computer system is again rebooted.

12 Claims, 4 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Abstract	Claims	KWIC	Draw De
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☒ 4. Document ID: US 6247128 B1

L4: Entry 4 of 7

File: USPT

Jun 12, 2001

US-PAT-NO: 6247128  
DOCUMENT-IDENTIFIER: US 6247128 B1

TITLE: Computer manufacturing with smart configuration methods

DATE-ISSUED: June 12, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fisher; Jerald C.	Tomball	TX		
Nguyen; Lien Dai	Houston	TX		
Young; James	Houston	TX		
Seaburg; Gunnar P.	Woodlands	TX		
Hedlund; Galen W.	Tomball	TX		
Katz; Richard S.	Spring	TX		

US-CL-CURRENT: 713/100; 713/1, 713/201, 717/178

ABSTRACT:

A system of computer manufacturing with pre-installation of software which utilizes a software selection process controlled by a rules database to determine the proper software components to be pre-installed onto an assembled computer or hard drive. Additionally, the rules base determines the appropriate diagnostic and set-up software components to be installed in order to ensure a system that is ready-to-run upon receipt by a purchaser.

48 Claims, 28 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 19

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw D
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☐ 5. Document ID: US 6205527 B1

L4: Entry 5 of 7

File: USPT

Mar 20, 2001

US-PAT-NO: 6205527

DOCUMENT-IDENTIFIER: US 6205527 B1

TITLE: Intelligent backup and restoring system and method for implementing the same

DATE-ISSUED: March 20, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Goshey; Michael M.	San Jose	CA		
Maffezzoni; Guido	San Jose	CA		
Wu; Gilbert Chang-Tying	San Jose	CA		
Lin; Yen-Chung	Saratoga	CA		
Nguyen; John D.	Milpitas	CA		
Stoller; Roger A.	Harwood Heights	IL		
Luong; Kristine N.	Santa Clara	CA		
Hudson; Robert S.	San Jose	CA		
Coleman; David A.	Silverdale	WA		
Sumners; Dennis M.	Port Orchard	WA		
Bui; Thanh T.	San Jose	CA		
Fu; Tony	Placentia	CA		
Kwan; Tony G.	Milpitas	CA		

US-CL-CURRENT: 711/162; 714/6, 717/175

## ABSTRACT:

Disclosed is an apparatus, a system, a computer readable media, and a method for protecting data of a computer system. The method includes: (a) connecting a peripheral storage device to the computer system; (b) preparing a storage media of the peripheral storage device to be a protection enabled media; (c) selecting a backup set of data stored in a hard drive of the computer system, the backup set of data includes a default set of boot files and operating system files; (d) creating a spare tire backup using file-based copying from the hard drive of the computer system to the storage media of the peripheral storage device; (e) enabling the peripheral storage device to incrementally copy portions of the backup set of data from the hard drive of the computer system during normal use; and (f) booting the computer system from the peripheral storage device when a failure occurs with the hard drive that disables normal booting. In this manner, the user can resume uninterrupted work from the spare tire backup of the peripheral storage device until the hard drive failure is repaired.

35 Claims, 27 Drawing figures  
Exemplary Claim Number: 1

Number of Drawing Sheets: 21

Full	Title	Citation	Front	Review	Classification	Date	Reference	Services	Abstracts	Claims	KMIC	Draw. De
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☒ 6. Document ID: US 6038399 A

L4: Entry 6 of 7

File: USPT

Mar 14, 2000

US-PAT-NO: 6038399

DOCUMENT-IDENTIFIER: US 6038399 A

TITLE: Computer manufacturing architecture with two data-loading processes

DATE-ISSUED: March 14, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fisher; Jerald C.	Tomball	TX		
Nguyen; Lien Dai	Houston	TX		
Young; James	Houston	TX		
Seaburg; Gunnar P.	The Woodlands	TX		
Hedlund; Galen W.	Tomball	TX		
Katz; Richard S.	Spring	TX		

US-CL-CURRENT: 717/178; 713/1

## ABSTRACT:

A computer manufacturing architecture in which a single software database feeds both direct downloading and surrogate downloading through a common network.

27 Claims, 26 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 18

Full	Title	Citation	Front	Review	Classification	Date	Reference	Services	Abstracts	Claims	KMIC	Draw. De
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☒ 7. Document ID: US 5325532 A

L4: Entry 7 of 7

File: USPT

Jun 28, 1994

US-PAT-NO: 5325532

DOCUMENT-IDENTIFIER: US 5325532 A

TITLE: Automatic development of operating system boot image

DATE-ISSUED: June 28, 1994

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Crosswy; Wm. Caldwell	Spring	TX		
Barron; Dwight L.	Houston	TX		
Abmayr; David W.	Spring	TX		
Rosenblum; Harvey M.	Spring	TX		
Burckhartt; David M.	Houston	TX		

US-CL-CURRENT: 713/2; 713/100, 717/168

## ABSTRACT:

A computer system which includes certain minimum capabilities in a system ROM. Device driver software is located in the system ROM or adapter ROM's. On boot the computer system collects these device drivers from ROM to develop a minimal system. If a removable medium such as a floppy disk or CD-ROM is present a configuration mode is entered when final driver files and operating system modules are stored on a selected hard disk. After this storage the device driver modules and operating system modules necessary to develop a boot image of the operating system are gathered and linked. The boot image is generated and stored, allowing use on the following boot operations. The computer system detects device changes and rebuilds the boot image as necessary. If the devices have remained the same the previously stored boot image is loaded and operating system execution commences.

6 Claims, 8 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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IC 009. US 038. G &amp; S: computer programs for use with network systems and user manuals supplied therewith. FIRST USE: 19890215. FIRST USE IN COMMERCE: 19890215

**Mark Drawing Code**

(1) TYPED DRAWING

**Serial Number**

74178924

**Filing Date**

June 21, 1991

**Current Filing Basis**

1A

**Original Filing Basis**

1A

**Published for Opposition**

August 25, 1992

**Registration Number**

1732609

**Registration Date**

November 17, 1992

**Owner**(REGISTRANT) Hewlett-Packard Company CORPORATION  
CALIFORNIA 3000 Hanover Street Palo Alto CALIFORNIA 94304(LAST LISTED OWNER) HEWLETT-PACKARD COMPANY  
CORPORATION BY MERGER WITH DELAWARE 3000 HANOVER  
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ASSIGNMENT RECORDED

**Attorney of Record**

William W. Cochran

**Type of Mark**

TRADEMARK

**Register**

PRINCIPAL

**Affidavit Text**

SECT 15. SECT 8 (6-YR). SECTION 8(10-YR) 20020629.

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1ST RENEWAL 20020629

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